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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/525,919	03/31/2006	Yoshihiko Nagata	5703-008/NP	4133
27572 HARNESS DI	7590 09/19/2007 ICKEY & PIERCE, P.L.C.		EXAMINER	
P.O. BOX 828			GANESAN, SUNDHARA M	
BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER
			3764	
			MAIL DATE	DELIVERY MODE
			09/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
Office Action Summary		10/525,919	NAGATA ET AL.				
		Examiner	Art Unit				
		Sundhara M. Ganesan	3764				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status	•						
1)⊠	Responsive to communication(s) filed on 06/26	<u>8/2007</u> .					
2a)⊠	This action is FINAL . 2b) ☐ This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims	•					
4)⊠	4)⊠ Claim(s) <u>10-25</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	Claim(s) is/are allowed.						
6)⊠	Claim(s) 10-25 is/are rejected.	•					
7)	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/or	election requirement.					
Application Papers							
9)[The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>26 June 2007</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
	1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
A440.5	4/4)						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 06/26/2007. 5) Notice of Informal Patent Application 6) Other:							

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. All rejections from the previous Office Action are incorporated herein. Responses to amendments are presented below:
- 3. Claim 10 is rejected under 35 U.S.C. 102(b) as being anticipated by Allum (US Pat. 6,063,046). Allum describes the same invention as claimed, as described in the previous Action. Allum shows the device as having a motor (58) with a revolving shaft attached to the plate and driving the plate so as to provide the plate with a tilting motion around an axis of rotation of the revolving shaft (axis 54, described in col. 11, lines 40-46). Allum shows a rotation angle sensor for measuring a rotation angle as the plate is tilted around the axis of rotation of the revolving shaft (col. 11, lines 59-62, "in the pitch and roll directions"). Allum shows a torque measuring mechanism for measuring torque applied to the plate based on the motion of the user (Col. 12, lines 61-65). Allum further shows a kinetic model analyzer (col. 10, lines 6-10) into which an output from each of the rotation angle sensor (col. 12, lines 10-15) and the torque measuring mechanism (Col. 12, lines 19-22) is inputted. The processor (24) described by Allum determines a target rotation angle (col. 12, lines 19-22). The Allum device further shows a motor controller (24, col. 10, lines 2-4) for controlling the motor so that the plate is tilted at the target rotation angle determined by the kinetic model analyzer.

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4. Regarding claims 11-25, the rejection from the previous Action is maintained.

Response to Arguments

5. Applicant's arguments filed 06/26/2007 have been fully considered but they are not persuasive. Clarifications of the components described by Allum but recited in amended claim 10 are presented above.

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 for cited art of interest.
- 7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sundhara M. Ganesan whose telephone number is 571-272-3340. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Sirmons can be reached on (571) 272-4965. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

S.G. 09/17/2007

LORI AMERSON PRIMARY EXAMINER